

TABLE B-3A. SCREENING CRITERIA FOR GROUND WATER AND CLP REFERENCE LIMITS

| Analyte                                       | Analytical Method | CASRN       | Units | c/nc | EPA MCL <sup>(1)</sup> | EPA Tapwater RSL <sup>(2)</sup> | OWRB Interim WQS <sup>(3)</sup> for Public & Private Water Supply (Raw Water) | Project Screening Level <sup>(4)</sup> | CRQLs <sup>(5)</sup> |             |           |
|---|-------------------|-------------|-------|------|------------------------|---------------------------------|---|--|----------------------|-------------|-----------|
|   |                   |             |       |      |                        |                                 |   |  | Low Water by SIM     | Trace Water | Low Water |
| <b>Volatile Organic Compounds</b>             |                   |             |       |      |                        |                                 |   |  |                      |             |           |
| 1,1,1-Trichloroethane                         | SOM02.3           | 71-55-6     | µg/L  | nc   | 200                    | 8000                            | NS  | 200                                    | --                   | 0.50        | 5         |
| 1,1,2-Trichloro-1,2,2-trifluoroethane         | SOM02.3           | 76-13-1     | µg/L  | -    | NS                     | 55000                           | NS  | 55000                                  | --                   | 0.50        | 5         |
| 1,1,2,2-Tetrachloroethane                     | SOM02.3           | 79-34-5     | µg/L  | c    | NS                     | 0.076                           | NS  | 0.076                                  | --                   | 0.50        | 5         |
| 1,1,2-Trichloroethane                         | SOM02.3           | 79-00-5     | µg/L  | c    | 5                      | 0.28                            | NS  | 5                                      | --                   | 0.50        | 5         |
| 1,1-Dichloroethane                            | SOM02.3           | 75-34-3     | µg/L  | c    | NS                     | 2.8                             | NS  | 2.8                                    | --                   | 0.50        | 5         |
| 1,1-Dichloroethene                            | SOM02.3           | 75-35-4     | µg/L  | nc   | 7                      | 280                             | NS  | 7                                      | --                   | 0.50        | 5         |
| 1,2,3-Trichlorobenzene                        | SOM02.3           | 87-61-6     | µg/L  | nc   | NS                     | 7                               | NS  | 7                                      | --                   | 0.50        | 5         |
| 1,2,4-Trichlorobenzene                        | SOM02.3           | 120-82-1    | µg/L  | c    | 70                     | 1.2                             | NS  | 70                                     | --                   | 0.50        | 5         |
| 1,2-Dibromo-3-chloropropane                   | SOM02.3           | 96-12-8     | µg/L  | c    | 0.2                    | 0.00033                         | NS  | 0.2                                    | --                   | 0.50        | 5         |
| 1,2-Dibromoethane (EDB)                       | SOM02.3           | 106-93-4    | µg/L  | c    | 0.05                   | 0.0075                          | NS  | 0.05                                   | --                   | 0.50        | 5         |
| 1,2-Dichlorobenzene                           | SOM02.3           | 95-50-1     | µg/L  | nc   | 600                    | 300                             | NS  | 600                                    | --                   | 0.50        | 5         |
| 1,2-Dichloroethane                            | SOM02.3           | 107-06-2    | µg/L  | c    | 5                      | 0.17                            | NS  | 5                                      | --                   | 0.50        | 5         |
| 1,2-Dichloropropane                           | SOM02.3           | 78-87-5     | µg/L  | c    | 5                      | 0.44                            | NS  | 5                                      | --                   | 0.50        | 5         |
| 1,3-Dichlorobenzene                           | SOM02.3           | 541-73-1    | µg/L  | -    | 600                    | 300                             | NS  | 600                                    | --                   | 0.50        | 5         |
| 1,4-Dichlorobenzene                           | SOM02.3           | 106-46-7    | µg/L  | c    | 75                     | 0.48                            | NS  | 75                                     | --                   | 0.50        | 5         |
| 2-Butanone (Methyl Ethyl Ketone)              | SOM02.3           | 78-93-3     | µg/L  | nc   | NS                     | 5600                            | NS  | 5,600                                  | --                   | 5           | 10        |
| 2-Hexanone                                    | SOM02.3           | 591-78-6    | µg/L  | nc   | NS                     | 38                              | NS  | 38                                     | --                   | 5           | 10        |
| 4-Methyl-2-pentanone (Methyl isobutyl ketone) | SOM02.3           | 108-10-1    | µg/L  | nc   | NS                     | 6300                            | NS  | 6,300                                  | --                   | 5           | 10        |
| Acetone                                       | SOM02.3           | 67-64-1     | µg/L  | nc   | NS                     | 14000                           | NS  | 14,000                                 | --                   | 5           | 10        |
| Benzene                                       | SOM02.3           | 71-43-2     | µg/L  | c    | 5                      | 0.46                            | NS  | 5                                      | --                   | 0.50        | 5         |
| Bromochloromethane                            | SOM02.3           | 74-97-5     | µg/L  | nc   | NS                     | 83                              | NS  | 83                                     | --                   | 0.50        | 5         |
| Bromodichloromethane <sup>(6)</sup>           | SOM02.3           | 75-27-4     | µg/L  | c    | 80                     | 0.13                            | NS  | 80                                     | --                   | 0.50        | 5         |
| Bromoform <sup>(6)</sup>                      | SOM02.3           | 75-25-2     | µg/L  | c    | 80                     | 3.3                             | NS  | 80                                     | --                   | 0.50        | 5         |
| Bromomethane                                  | SOM02.3           | 74-83-9     | µg/L  | nc   | NS                     | 7.5                             | NS  | 7.5                                    | --                   | 0.50        | 5         |
| Carbon Disulfide                              | SOM02.3           | 75-15-0     | µg/L  | nc   | NS                     | 810                             | NS  | 810                                    | --                   | 0.50        | 5         |
| Carbon Tetrachloride                          | SOM02.3           | 56-23-5     | µg/L  | c    | 5                      | 0.46                            | NS  | 5                                      | --                   | 0.50        | 5         |
| Chlorobenzene                                 | SOM02.3           | 108-90-7    | µg/L  | nc   | 100                    | 78                              | NS  | 100                                    | --                   | 0.50        | 5         |
| Chloroethane                                  | SOM02.3           | 75-00-3     | µg/L  | nc   | NS                     | 21000                           | NS  | 21,000                                 | --                   | 0.50        | 5         |
| Chloroform <sup>(6)</sup>                     | SOM02.3           | 67-66-3     | µg/L  | c    | 80                     | 0.22                            | NS  | 80                                     | --                   | 0.50        | 5         |
| Chloromethane                                 | SOM02.3           | 74-87-3     | µg/L  | nc   | NS                     | 190                             | NS  | 190                                    | --                   | 0.50        | 5         |
| cis-1,2-Dichloroethene                        | SOM02.3           | 156-59-2    | µg/L  | nc   | 70                     | 36                              | NS  | 70                                     | --                   | 0.50        | 5         |
| cis-1,3-Dichloropropene                       | SOM02.3           | 10061-01-5  | µg/L  | c    | NS                     | 0.47                            | NS  | 0.47                                   | --                   | 0.50        | 5         |
| Cyclohexane                                   | SOM02.3           | 110-82-7    | µg/L  | -    | NS                     | 13000                           | NS  | 13,000                                 | --                   | 0.50        | 5         |
| Dibromochloromethane                          | SOM02.3           | 124-48-1    | µg/L  | c    | 80                     | 0.87                            | NS  | 80                                     | --                   | 0.50        | 5         |
| Dichlorodifluoromethane                       | SOM02.3           | 75-71-8     | µg/L  | nc   | NS                     | 200                             | NS  | 200                                    | --                   | 0.50        | 5         |
| Ethylbenzene                                  | SOM02.3           | 100-41-4    | µg/L  | c    | 700                    | 1.5                             | NS  | 700                                    | --                   | 0.50        | 5         |
| Isopropylbenzene (Cumene)                     | SOM02.3           | 98-82-8     | µg/L  | -    | NS                     | 450                             | NS  | 450                                    | --                   | 0.50        | 5         |
| Methyl Acetate                                | SOM02.3           | 79-20-9     | µg/L  | -    | NS                     | 20000                           | NS  | 20,000                                 | --                   | 0.50        | 5         |
| Methylcyclohexane                             | SOM02.3           | 108-87-2    | µg/L  | -    | NS                     | 13000                           | NS  | 13000                                  | --                   | 0.50        | 5         |
| Methyl tert-Butyl Ether                       | SOM02.3           | #####       | µg/L  | c    | NS                     | 14                              | NS  | 14                                     | --                   | 0.50        | 5         |
| Methylene Chloride                            | SOM02.3           | 75-09-2     | µg/L  | c    | 5                      | 11                              | NS  | 5                                      | --                   | 0.50        | 5         |
| Styrene                                       | SOM02.3           | 100-42-5    | µg/L  | nc   | 100                    | 1200                            | NS  | 100                                    | --                   | 0.50        | 5         |
| Tetrachloroethene                             | SOM02.3           | 127-18-4    | µg/L  | c    | 5                      | 11                              | NS  | 5                                      | --                   | 0.50        | 5         |
| Toluene                                       | SOM02.3           | 108-88-3    | µg/L  | nc   | 1000                   | 1100                            | NS  | 1,000                                  | --                   | 0.50        | 5         |
| trans-1,2-Dichloroethene                      | SOM02.3           | 156-60-5    | µg/L  | nc   | 100                    | 360                             | NS  | 100                                    | --                   | 0.50        | 5         |
| trans-1,3-Dichloropropene                     | SOM02.3           | 10061-02-6  | µg/L  | c    | NS                     | 0.47                            | NS  | 0.47                                   | --                   | 0.50        | 5         |
| Trichloroethene                               | SOM02.3           | 79-01-6     | µg/L  | c    | 5                      | 0.49                            | NS  | 5                                      | --                   | 0.50        | 5         |
| Trichlorofluoromethane                        | SOM02.3           | 75-69-4     | µg/L  | nc   | NS                     | 5200                            | NS  | 5,200                                  | --                   | 0.50        | 5         |
| Vinyl Chloride                                | SOM02.3           | 75-01-4     | µg/L  | c    | 2                      | 0.019                           | NS  | 2                                      | --                   | 0.50        | 5         |
| m,p-Xylene                                    | SOM02.3           | 179601-23-1 | µg/L  | nc   | 10000                  | 190                             | NS  | 10,000                                 | --                   | 0.50        | 5         |

|                                       |         |           |      |    |     |        |     |       |     |      |    |
|---------------------------------------|---------|-----------|------|----|-----|--------|-----|-------|-----|------|----|
| o-Xylene                              | SOM02.3 | 95-47-6   | µg/L | nc | NS  | 190    | NS  | 190   | --  | 0.50 | 5  |
| <b>Semivolatile Organic Compounds</b> |         |           |      |    |     |        |     |       |     |      |    |
| 1,1'-Biphenyl                         | SOM02.3 | 92-52-4   | µg/L | nc | NS  | 0.83   | NS  | 0.83  | --  | --   | 5  |
| 1,2,4,5-Tetrachlorobenzene            | SOM02.3 | 95-94-3   | µg/L | nc | NS  | 1.7    | NS  | 1.7   | --  | --   | 5  |
| 1,4-Dioxane                           | SOM02.3 | 123-91-1  | µg/L | c  | NS  | 0.46   | NS  | 0.46  | --  | --   | 2  |
| 2,2'-Oxybis (1-chloropropane)         | SOM02.3 | 108-60-1  | µg/L | nc | NS  | 710    | NS  | 710   | --  | --   | 10 |
| 2,3,4,6-Tetrachlorophenol             | SOM02.3 | 58-90-2   | µg/L | nc | NS  | 240    | NS  | 240   | --  | --   | 5  |
| 2,4,5-Trichlorophenol                 | SOM02.3 | 95-95-4   | µg/L | nc | NS  | 1200   | NS  | 1,200 | --  | --   | 5  |
| 2,4,6-Trichlorophenol                 | SOM02.3 | 88-06-2   | µg/L | c  | NS  | 4.1    | NS  | 4.1   | --  | --   | 5  |
| 2,4-Dichlorophenol                    | SOM02.3 | 120-83-2  | µg/L | nc | NS  | 46     | NS  | 46    | --  | --   | 5  |
| 2,4-Dimethylphenol                    | SOM02.3 | 105-67-9  | µg/L | nc | NS  | 360    | NS  | 360   | --  | --   | 5  |
| 2,4-Dinitrophenol                     | SOM02.3 | 51-28-5   | µg/L | nc | NS  | 39     | NS  | 39    | --  | --   | 10 |
| 2,4-Dinitrotoluene                    | SOM02.3 | 121-14-2  | µg/L | c  | NS  | 0.24   | NS  | 0.24  | --  | --   | 5  |
| 2,6-Dinitrotoluene                    | SOM02.3 | 606-20-2  | µg/L | c  | NS  | 0.049  | NS  | 0.049 | --  | --   | 5  |
| 2-Chloronaphthalene                   | SOM02.3 | 91-58-7   | µg/L | nc | NS  | 750    | NS  | 750   | --  | --   | 5  |
| 2-Chlorophenol                        | SOM02.3 | 95-57-8   | µg/L | nc | NS  | 91     | NS  | 91    | --  | --   | 5  |
| 2-Methylnaphthalene                   | SOM02.3 | 91-57-6   | µg/L | nc | NS  | 36     | NS  | 36    | 0.1 | --   | 5  |
| 2-Methylphenol                        | SOM02.3 | 95-48-7   | µg/L | nc | NS  | 930    | NS  | 930   | --  | --   | 10 |
| 2-Nitroaniline                        | SOM02.3 | 88-74-4   | µg/L | nc | NS  | 190    | NS  | 190   | --  | --   | 5  |
| 2-Nitrophenol                         | SOM02.3 | 88-75-5   | µg/L | c  | NS  | NS     | NS  | NS    | --  | --   | 5  |
| 3,3'-Dichlorobenzidine                | SOM02.3 | 91-94-1   | µg/L | c  | NS  | 0.13   | NS  | 0.13  | --  | --   | 5  |
| 3-Methylphenol                        | SOM02.3 | 108-39-4  | µg/L | nc | NS  | 930    | NS  | 930   | --  | --   | 5  |
| 3-Nitroaniline                        | SOM02.3 | 99-09-2   | µg/L | nc | NS  | NS     | NS  | NS    | --  | --   | 10 |
| 4,6-Dinitro-2-methylphenol            | SOM02.3 | 534-52-1  | µg/L | nc | NS  | 1.5    | NS  | 1.5   | --  | --   | 10 |
| 4-Bromophenyl-phenylether             | SOM02.3 | 101-55-3  | µg/L | -  | NS  | NS     | NS  | NS    | --  | --   | 5  |
| 4-Chloro-3-methylphenol               | SOM02.3 | 59-50-7   | µg/L | nc | NS  | 1400   | NS  | 1,400 | --  | --   | 5  |
| 4-Chloroaniline                       | SOM02.3 | 106-47-8  | µg/L | c  | NS  | 0.37   | NS  | 0.37  | --  | --   | 10 |
| 4-Chlorophenyl-phenylether            | SOM02.3 | 7005-72-3 | µg/L | -  | NS  | NS     | NS  | NS    | 0.1 | --   | 5  |
| 4-Methylphenol                        | SOM02.3 | 106-44-5  | µg/L | nc | NS  | 1900   | NS  | 1,900 | --  | --   | 10 |
| 4-Nitroaniline                        | SOM02.3 | 100-01-6  | µg/L | c  | NS  | 3.8    | NS  | 3.8   | --  | --   | 10 |
| 4-Nitrophenol                         | SOM02.3 | 100-02-7  | µg/L | c  | NS  | NS     | NS  | NS    | --  | --   | 10 |
| Acenaphthene                          | SOM02.3 | 83-32-9   | µg/L | nc | NS  | 530    | NS  | 530   | 0.1 | --   | 5  |
| Acetophenone                          | SOM02.3 | 98-86-2   | µg/L | nc | NS  | 1900   | NS  | 1,900 | --  | --   | 10 |
| Acenaphthylene                        | SOM02.3 | 208-96-8  | µg/L | -  | NS  | 530    | NS  | 530   | 0.1 | --   | 5  |
| Anthracene                            | SOM02.3 | 120-12-7  | µg/L | nc | NS  | 1800   | NS  | 1,800 | 0.1 | --   | 5  |
| Atrazine                              | SOM02.3 | 1912-24-9 | µg/L | c  | 3   | 0.3    | NS  | 3     | --  | --   | 10 |
| Benzaldehyde                          | SOM02.3 | 100-52-7  | µg/L | nc | NS  | 1900   | NS  | 1,900 | --  | --   | 10 |
| Benzo(a)anthracene                    | SOM02.3 | 56-55-3   | µg/L | c  | NS  | 0.012  | NS  | 0.012 | 0.1 | --   | 5  |
| Benzo(a)pyrene                        | SOM02.3 | 50-32-8   | µg/L | c  | 0.2 | 0.0034 | NS  | 0.2   | 0.1 | --   | 5  |
| Benzo(b)fluoranthene                  | SOM02.3 | 205-99-2  | µg/L | c  | NS  | 0.034  | NS  | 0.034 | 0.1 | --   | 5  |
| Benzo(g,h,i)perylene                  | SOM02.3 | 191-24-2  | µg/L | nc | NS  | 120    | NS  | 120   | 0.1 | --   | 5  |
| Benzo(k)fluoranthene                  | SOM02.3 | 207-08-9  | µg/L | c  | NS  | 0.34   | NS  | 0.34  | 0.1 | --   | 5  |
| bis(2-Chloroethoxy)methane            | SOM02.3 | 111-91-1  | µg/L | nc | NS  | 59     | NS  | 59    | --  | --   | 5  |
| bis(2-Chloroethyl)ether               | SOM02.3 | 111-44-4  | µg/L | c  | NS  | 0.014  | NS  | 0.014 | --  | --   | 10 |
| bis(2-Ethylhexyl)phthalate            | SOM02.3 | 117-81-7  | µg/L | c  | 6   | 5.6    | NS  | 6     | --  | --   | 5  |
| Butylbenzylphthalate                  | SOM02.3 | 85-68-7   | µg/L | c  | NS  | 16     | 150 | 16    | --  | --   | 5  |

TABLE B-3A. SCREENING CRITERIA FOR GROUND WATER AND CLP REFERENCE LIMITS

| Analyte             | Analytical Method | CASRN    | Units | c/nc | EPA MCL <sup>(1)</sup> | EPA Tapwater RSL <sup>(2)</sup> | OWRB Interim WQS <sup>(3)</sup> for Public & Private Water Supply (Raw Water) | Project Screening Level <sup>(4)</sup> | CRQLs <sup>(5)</sup> |             |           |
|---------------------|-------------------|----------|-------|------|------------------------|---------------------------------|---|--|----------------------|-------------|-----------|
|                     |                   |          |       |      |                        |                                 |   |  | Low Water by SIM     | Trace Water | Low Water |
| Caprolactam         | SOM02.3           | 105-60-2 | µg/L  | nc   | NS                     | 9900                            | NS  | 9,900                                  | --                   | --          | 10        |
| Carbazole           | SOM02.3           | 86-74-8  | µg/L  | -    | NS                     | NS                              | NS  | NS                                     | --                   | --          | 10        |
| Chrysene            | SOM02.3           | 218-01-9 | µg/L  | c    | NS                     | 3.4                             | NS  | 3.4                                    | 0.1                  | --          | 5         |
| Di-n-butylphthalate | SOM02.3           | 84-74-2  | µg/L  | nc   | NS                     | 900                             | NS  | 900                                    | --                   | --          | 5         |
| Di-n-octylphthalate | SOM02.3           | 117-84-0 | µg/L  | nc   | NS                     | 200                             | NS  | 200                                    | --                   | --          | 10        |

|   |         |            |      |    |     |         |    |     |         |     |    |      |
|---|---------|------------|------|----|-----|---------|----|-----|---------|-----|----|------|
| Dibenz(a,h)anthracene                   | SOM02.3 | 53-70-3    | µg/L | c  | NS  | 0.0034  |    | NS  | 0.0034  | 0.1 | -- | 5    |
| Dibenzofuran                            | SOM02.3 | 132-64-9   | µg/L | nc | NS  | 7.9     |    | NS  | 7.9     | --  | -- | 5    |
| Diethylphthalate                        | SOM02.3 | 84-66-2    | µg/L | nc | NS  | 15000   |    | NS  | 15,000  | --  | -- | 5    |
| Dimethylphthalate                       | SOM02.3 | 131-11-3   | µg/L | -  | NS  |         | NS |     | NS      | --  | -- | 5    |
| Fluoranthene                            | SOM02.3 | 206-44-0   | µg/L | nc | NS  | 800     |    | NS  | 800     | 0.1 | -- | 10   |
| Fluorene                                | SOM02.3 | 86-73-7    | µg/L | nc | NS  | 290     |    | NS  | 290     | 0.1 | -- | 5    |
| Hexachlorobenzene                       | SOM02.3 | 118-74-1   | µg/L | c  | 1   | 0.0098  |    | NS  | 1       | --  | -- | 5    |
| Hexachlorobutadiene                     | SOM02.3 | 87-68-3    | µg/L | c  | NS  | 0.14    |    | NS  | 0.14    | --  | -- | 5    |
| Hexachlorocyclopentadiene               | SOM02.3 | 77-47-4    | µg/L | nc | 50  | 0.41    |    | NS  | 50      | --  | -- | 10   |
| Hexachloroethane                        | SOM02.3 | 67-72-1    | µg/L | c  | NS  | 0.33    |    | NS  | 0.33    | --  | -- | 5    |
| Indeno(1,2,3-cd)pyrene                  | SOM02.3 | 193-39-5   | µg/L | c  | NS  | 0.034   |    | NS  | 0.034   | 0.1 | -- | 5    |
| Isophorone                              | SOM02.3 | 78-59-1    | µg/L | c  | NS  | 78      |    | NS  | 78      | --  | -- | 5    |
| N-Nitrosodimethylamine                  | SOM02.3 | 62-75-9    | µg/L | c  | NS  | 0.00011 |    | NS  | 0.00011 | --  | -- | 5    |
| N-Nitroso-di-n-propylamine              | --      | 621-64-7   | µg/L | c  | NS  | 0.011   |    | NS  | 0.011   | --  | -- | --   |
| Naphthalene                             | SOM02.3 | 91-20-3    | µg/L | c  | NS  | 0.17    |    | NS  | 0.17    | --  | -- | 5    |
| Nitrobenzene                            | SOM02.3 | 98-95-3    | µg/L | c  | NS  | 0.14    |    | NS  | 0.14    | 0.1 | -- | 5    |
| Pentachlorophenol                       | SOM02.3 | 87-86-5    | µg/L | c  | 1   | 0.041   |    | NS  | 1       | 0.2 | -- | 10   |
| Phenanthrone                            | SOM02.3 | 85-01-8    | µg/L | nc | NS  | 120     |    | NS  | 120     | 0.1 | -- | 5    |
| Phenol                                  | SOM02.3 | 108-95-2   | µg/L | nc | NS  | 5800    |    | NS  | 5,800   | NS  | -- | 10   |
| Pyrene                                  | SOM02.3 | 129-00-0   | µg/L | nc | NS  | 120     |    | NS  | 120     | 0.1 | -- | 5    |
| <b>Polycyclic Aromatic Hydrocarbons</b> |         |            |      |    |     |         |    |     |         |     |    |      |
| Acenaphthene                            | SOM02.3 | 83-32-9    | µg/L | nc | NS  | 530     |    | NS  | 530     | 0.1 | -- | 5    |
| Acenaphthylene                          | SOM02.3 | 208-96-8   | µg/L | -  | NS  | 530     |    | NS  | 530.00  | 0.1 | -- | 5    |
| Anthracene                              | SOM02.3 | 120-12-7   | µg/L | nc | NS  | 1800    |    | NS  | 1,800   | 0.1 | -- | 5    |
| Benzo(a)anthracene                      | SOM02.3 | 56-55-3    | µg/L | c  | NS  | 0.012   |    | NS  | 0.012   | 0.1 | -- | 5    |
| Benzo(a)pyrene                          | SOM02.3 | 50-32-8    | µg/L | c  | 0.2 | 0.0034  |    | NS  | 0.2     | 0.1 | -- | 5    |
| Benzo(b)fluoranthene                    | SOM02.3 | 205-99-2   | µg/L | c  | NS  | 0.034   |    | NS  | 0.034   | 0.1 | -- | 5    |
| Benzo(g,h,i)perylene                    | SOM02.3 | 191-24-2   | µg/L | nc | NS  | 120     |    | NS  | 120.00  | 0.1 | -- | 5    |
| Benzo(k)fluoranthene                    | SOM02.3 | 207-08-9   | µg/L | c  | NS  | 0.34    |    | NS  | 0.34    | 0.1 | -- | 5    |
| Chrysene                                | SOM02.3 | 218-01-9   | µg/L | c  | NS  | 3.4     |    | NS  | 3.4     | 0.1 | -- | 5    |
| Dibenz(a,h)anthracene                   | SOM02.3 | 53-70-3    | µg/L | c  | NS  | 0.0034  |    | NS  | 0.0034  | 0.1 | -- | 5    |
| Fluoranthene                            | SOM02.3 | 206-44-0   | µg/L | nc | NS  | 800     |    | NS  | 800     | 0.1 | -- | 10   |
| Fluorene                                | SOM02.3 | 86-73-7    | µg/L | nc | NS  | 290     |    | NS  | 290     | 0.1 | -- | 5    |
| Indeno(1,2,3-cd)pyrene                  | SOM02.3 | 193-39-5   | µg/L | c  | NS  | 0.034   |    | NS  | 0.034   | 0.1 | -- | 5    |
| Naphthalene                             | SOM02.3 | 91-20-3    | µg/L | c  | NS  | 0.17    |    | NS  | 0.17    | 0.1 | -- | 5    |
| Phenanthrone                            | SOM02.3 | 85-01-8    | µg/L | nc | NS  | 120     |    | NS  | 120.00  | 0.1 | -- | 5    |
| Pyrene                                  | SOM02.3 | 129-00-0   | µg/L | nc | NS  | 120     |    | NS  | 120     | 0.1 | -- | 5    |
| 2-Methylnaphthalene                     | SOM02.3 | 91-57-6    | µg/L | nc | NS  | 36      |    | NS  | 36      | 0.1 | -- | 5    |
| <b>Organochlorine Pesticides</b>        |         |            |      |    |     |         |    |     |         |     |    |      |
| Aldrin                                  | SOM02.3 | 309-00-2   | µg/L | c  | NS  | 0.00092 |    | NS  | 0.00092 | --  | -- | 0.05 |
| Alpha BHC (Hexachlorocyclohexane)       | SOM02.3 | 319-84-6   | µg/L | c  | NS  | 0.0072  |    | NS  | 0.0072  | --  | -- | 0.05 |
| Alpha Chlordane                         | SOM02.3 | 5103-71-9  | µg/L | c  | 2   | 0.045   |    | NS  | 2       | --  | -- | 0.05 |
| Beta BHC                                | SOM02.3 | 319-85-7   | µg/L | c  | NS  | 0.025   |    | NS  | 0.025   | --  | -- | 0.05 |
| Delta BHC                               | SOM02.3 | 319-86-8   | µg/L | c  | NS  | 0.0072  |    | NS  | 0.0072  | --  | -- | 0.05 |
| Dieldrin                                | SOM02.3 | 60-57-1    | µg/L | c  | NS  | 0.0018  |    | NS  | 0.0018  | --  | -- | 0.1  |
| Endosulfan I                            | SOM02.3 | 959-98-8   | µg/L | nc | NS  | 100     |    | NS  | 100     | --  | -- | 0.05 |
| Endosulfan II                           | SOM02.3 | 33213-65-9 | µg/L | nc | NS  | 100     |    | NS  | 100     | --  | -- | 0.1  |
| Endosulfan Sulfate                      | SOM02.3 | 1031-07-8  | µg/L | nc | NS  | 100     |    | NS  | 100     | --  | -- | 0.1  |
| Endrin                                  | SOM02.3 | 72-20-8    | µg/L | nc | 2   | 2.3     |    | 0.2 | 2       | --  | -- | 0.1  |
| Endrin Aldehyde                         | SOM02.3 | 7421-93-4  | µg/L | nc | 2   | 2.3     |    | NS  | 2       | --  | -- | 0.1  |
| Endrin Ketone                           | SOM02.3 | 53494-70-5 | µg/L | nc | 2   | 2.3     |    | NS  | 2       | --  | -- | 0.1  |
| Gamma BHC (Lindane)                     | SOM02.3 | 58-89-9    | µg/L | c  | 0.2 | 0.042   |    | 4   | 0.2     | --  | -- | 0.05 |
| Gamma Chlordane                         | SOM02.3 | 5103-74-2  | µg/L | c  | 2   | 0.045   |    | NS  | 2       | --  | -- | 0.05 |
| Heptachlor                              | SOM02.3 | 76-44-8    | µg/L | c  | 0.4 | 0.0014  |    | NS  | 0.4     | --  | -- | 0.05 |

|  |         |            |      |    |     |        |     |        |    |    |      |
|--|---------|------------|------|----|-----|--------|-----|--------|----|----|------|
| Heptachlor Epoxide                                 | SOM02.3 | 1024-57-3  | µg/L | c  | 0.2 | 0.0014 | NS  | 0.2    | -- | -- | 0.05 |
| Methoxychlor                                       | SOM02.3 | 72-43-5    | µg/L | nc | 40  | 37     | 100 | 40     | -- | -- | 0.5  |
| Toxaphene  | SOM02.3 | 8001-35-2  | µg/L | c  | 3   | 0.071  | 5   | 3      | -- | -- | 5    |
| p,p-DDD  | SOM02.3 | 72-54-8    | µg/L | c  | NS  | 0.032  | NS  | 0.032  | -- | -- | 0.1  |
| p,p-DDE  | SOM02.3 | 72-55-9    | µg/L | c  | NS  | 0.046  | NS  | 0.046  | -- | -- | 0.1  |
| p,p-DDT  | SOM02.3 | 50-29-3    | µg/L | c  | NS  | 0.23   | NS  | 0.23   | -- | -- | 0.1  |
| <b>Polychlorinated Biphenyls</b>                   |         |            |      |    |     |        |     |        |    |    |      |
| Aroclor-1016                                       | SOM02.3 | 12674-11-2 | µg/L | c  | NS  | 0.22   | NS  | 0.22   | -- | -- | 1    |
| Aroclor-1221                                       | SOM02.3 | 11104-28-2 | µg/L | c  | NS  | 0.0047 | NS  | 0.0047 | -- | -- | 1    |
| Aroclor-1232                                       | SOM02.3 | 11141-16-5 | µg/L | c  | NS  | 0.0047 | NS  | 0.0047 | -- | -- | 1    |
| Aroclor-1242                                       | SOM02.3 | 53469-21-9 | µg/L | c  | NS  | 0.0078 | NS  | 0.0078 | -- | -- | 1    |
| Aroclor-1248                                       | SOM02.3 | 12672-29-6 | µg/L | c  | NS  | 0.0078 | NS  | 0.0078 | -- | -- | 1    |
| Aroclor-1254                                       | SOM02.3 | 11097-69-1 | µg/L | c  | NS  | 0.0078 | NS  | 0.0078 | -- | -- | 1    |
| Aroclor-1260                                       | SOM02.3 | 11096-82-5 | µg/L | c  | NS  | 0.0078 | NS  | 0.0078 | -- | -- | 1    |
| Aroclor-1262                                       | SOM02.3 | 37324-23-5 | µg/L | -  | NS  | 0.0078 | NS  | 0.0078 | -- | -- | 1    |
| Aroclor-1268                                       | SOM02.3 | 11100-14-4 | µg/L | -  | NS  | 0.0078 | NS  | 0.0078 | -- | -- | 1    |
| Total PCBs   | --      | 1336-36-3  | µg/L | c  | NS  | NS     | NS  | NS     | -- | -- | --   |
| <b>Nitroaromatic/Nitramine Explosive Compounds</b> |         |            |      |    |     |        |     |        |    |    |      |
| 1,3,5-Trinitrobenzene                              | SW8330B | 99-35-4    | µg/L | nc | NS  | 590    | NS  | 590    |    |    |      |
| 1,3-Dinitrobenzene                                 | SW8330B | 99-65-0    | µg/L | nc | NS  | 2      | NS  | 2      |    |    |      |
| 2,4,6-Trinitrotoluene                              | SW8330B | 118-96-7   | µg/L | c  | NS  | 2.5    | NS  | 2.5    |    |    |      |
| 2,4-Dinitrotoluene                                 | SW8330B | 121-14-2   | µg/L | c  | NS  | 0.24   | NS  | 0.24   |    |    |      |
| 2,6-Dinitrotoluene                                 | SW8330B | 606-20-2   | µg/L | c  | NS  | 0.049  | NS  | 0.049  |    |    |      |
| 2-Amino-4,6-Dinitrotoluene                         | SW8330B | 35572-78-2 | µg/L | nc | NS  | 39     | NS  | 39     |    |    |      |
| 2-Nitrotoluene                                     | SW8330B | 88-72-2    | µg/L | c  | NS  | 0.31   | NS  | 0.31   |    |    |      |
| 3,5-Dinitroaniline                                 | SW8330B | 618-87-1   | µg/L | -  | NS  | NS     | NS  | NS     |    |    |      |
| 3-Nitrotoluene                                     | SW8330B | 99-08-1    | µg/L | nc | NS  | 1.7    | NS  | 1.7    |    |    |      |
| 4-Amino-2,6-Dinitrotoluene                         | SW8330B | 19406-51-0 | µg/L | nc | NS  | 39     | NS  | 39     |    |    |      |
| 4-Nitrotoluene                                     | SW8330B | 99-99-0    | µg/L | c  | NS  | 4.3    | NS  | 4.3    |    |    |      |
| HMX  | SW8330B | 2691-41-0  | µg/L | nc | NS  | 1000   | NS  | 1000   |    |    |      |
| Nitrobenzene                                       | SW8330B | 98-95-3    | µg/L | c  | NS  | 0.14   | NS  | 0.14   |    |    |      |
| Nitroglycerin                                      | SW8330B | 55-63-0    | µg/L | nc | NS  | 2      | NS  | 2      |    |    |      |
| PETN   | SW8330B | 78-11-5    | µg/L | c  | NS  | 19     | NS  | 19     |    |    |      |
| RDX  | SW8330B | 121-82-4   | µg/L | c  | NS  | 0.7    | NS  | 0.7    |    |    |      |
| Tetryl   | SW8330B | 479-45-8   | µg/L | nc | NS  | 39     | NS  | 39     |    |    |      |

TABLE B-3A. SCREENING CRITERIA FOR GROUND WATER AND CLP REFERENCE LIMITS

| Analyte                            | Analytical Method | CASRN     | Units | c/nc | EPA MCL <sup>(1)</sup> | EPA Tapwater RSL <sup>(2)</sup> | OWRB Interim WQS <sup>(3)</sup> for Public & Private Water Supply (Raw Water) | Project Screening Level <sup>(4)</sup> | CRQLs <sup>(5)</sup> |             |           |
|------------------------------------|-------------------|-----------|-------|------|------------------------|---------------------------------|---|--|----------------------|-------------|-----------|
|                                    |                   |           |       |      |                        |                                 |   |  | Low Water by SIM     | Trace Water | Low Water |
| <b>Hydrazines</b>                  |                   |           |       |      |                        |                                 |   |  |                      |             |           |
| 1,1-Dimethylhydrazine              | SW8315A           | 57-14-7   | µg/L  | nc   | NS                     | 0.0042                          | NS  | 0.0042                                 |                      |             |           |
| Hydrazine                          | SW8315A           | 302-01-2  | µg/L  | c    | NS                     | 0.0011                          | NS  | 0.0011                                 |                      |             |           |
| Methylhydrazine                    | SW8315A           | 60-34-4   | µg/L  | c    | NS                     | 0.0056                          | NS  | 0.0056                                 |                      |             |           |
| <b>ICP-MS Metals<sup>(7)</sup></b> |                   |           |       |      |                        |                                 |   |  |                      |             |           |
| Aluminum                           | ISM02.3           | 7429-90-5 | µg/L  | nc   | NS                     | 20000                           | NS  | 20000                                  | --                   | --          | 20        |
| Antimony                           | ISM02.3           | 7440-36-0 | µg/L  | nc   | 6                      | 7.8                             | NS  | 6                                      | --                   | --          | 2         |
| Arsenic                            | ISM02.3           | 7440-38-2 | µg/L  | c    | 10                     | 0.052                           | 40  | 10                                     | --                   | --          | 1         |
| Barium                             | ISM02.3           | 7440-39-3 | µg/L  | nc   | 2000                   | 3800                            | 1,000   | 2,000                                  | --                   | --          | 10        |
| Beryllium                          | ISM02.3           | 7440-41-7 | µg/L  | nc   | 4                      | 25                              | NS  | 4                                      | --                   | --          | 1         |
| Cadmium                            | ISM02.3           | 7440-43-9 | µg/L  | nc   | NS                     | NS                              | 20  | 20                                     | --                   | --          | 1         |
| Calcium                            | ISM02.3           | 7440-70-2 | µg/L  | -    | NS                     | NS                              | NS  | NS                                     | --                   | --          | 500       |
| Chromium <sup>(8)</sup>            | ISM02.3           | 7440-47-3 | µg/L  | nc   | 100                    | 22000                           | 50  | 100                                    | --                   | --          | 2         |
| Cobalt                             | ISM02.3           | 7440-48-4 | µg/L  | nc   | NS                     | 6                               | NS  | 6                                      | --                   | --          | 1         |
| Copper                             | ISM02.3           | 7440-50-8 | µg/L  | nc   | 1300                   | 800                             | 1,000   | 1,300                                  | --                   | --          | 2         |
| Iron                               | ISM02.3           | 7439-89-6 | µg/L  | nc   | NS                     | 14000                           | NS  | 14,000                                 | --                   | --          | 200       |

|  |    |           |            |      |    |      |       |       |        |    |    |       |
|--|----|-----------|------------|------|----|------|-------|-------|--------|----|----|-------|
| Lead                                   |    | ISM02.3   | 7439-92-1  | µg/L | -  | 15   | 15    | 100   | 15     | -- | -- | 1     |
| Magnesium                              |    | ISM02.3   | 7439-95-4  | µg/L | -  | NS   | NS    | NS    | NS     | -- | -- | 500   |
| Manganese                              |    | ISM02.3   | 7439-96-5  | µg/L | nc | NS   | 430   | NS    | 430    | -- | -- | 1     |
| Nickel                                 |    | ISM02.3   | 7440-02-0  | µg/L | nc | NS   | 390   | NS    | 390    | -- | -- | 1     |
| Potassium                              |    | ISM02.3   | 7440-09-7  | µg/L | -  | NS   | NS    | NS    | NS     | -- | -- | 500   |
| Selenium                               |    | ISM02.3   | 7782-49-2  | µg/L | nc | 50   | 100   | 10    | 50     | -- | -- | 5     |
| Silver                                 |    | ISM02.3   | 7440-22-4  | µg/L | nc | NS   | 94    | 50    | 50     | -- | -- | 1     |
| Sodium                                 |    | ISM02.3   | 7440-23-5  | µg/L | -  | NS   | NS    | 50    | 50     | -- | -- | 500   |
| Thallium                               |    | ISM02.3   | 7440-28-0  | µg/L | nc | 2    | 0.2   | NS    | 2      | -- | -- | 1     |
| Vanadium                               |    | ISM02.3   | 7440-62-2  | µg/L | nc | NS   | 86    | NS    | 86     | -- | -- | 5     |
| Zinc                                   |    | ISM02.3   | 7440-66-6  | µg/L | nc | NS   | 6000  | 5,000 | 5,000  | -- | -- | 2     |
| <b>ICP-AES Metals(7)</b>               |    |           |            |      |    |      |       |       |        |    |    |       |
| Aluminum                               |    | ISM02.3   | 7429-90-5  | µg/L | nc | NS   | 20000 | NS    | 20,000 | -- | -- | 200   |
| Antimony                               |    | ISM02.3   | 7440-36-0  | µg/L | nc | 6    | 7.8   | NS    | 6      | -- | -- | 60    |
| Arsenic                                |    | ISM02.3   | 7440-38-2  | µg/L | c  | 10   | 0.052 | 40    | 10     | -- | -- | 10    |
| Barium                                 |    | ISM02.3   | 7440-39-3  | µg/L | nc | 2000 | 3800  | 1,000 | 2,000  | -- | -- | 200   |
| Beryllium                              |    | ISM02.3   | 7440-41-7  | µg/L | nc | 4    | 25    | NS    | 4      | -- | -- | 5     |
| Boron                                  | -- | 7440-42-8 | µg/L       | nc   | NS | 4000 | NS    | 4,000 | --     | -- | -- | --    |
| Cadmium                                |    | ISM02.3   | 7440-43-9  | µg/L | nc | NS   | NS    | 20    | 20     | -- | -- | 5     |
| Calcium                                |    | ISM02.3   | 7440-70-2  | µg/L | -  | NS   | NS    | NS    | NS     | -- | -- | 5,000 |
| Chromium(8)                            |    | ISM02.3   | 7440-47-3  | µg/L | nc | 100  | 22000 | 50    | 100    | -- | -- | 10    |
| Cobalt                                 |    | ISM02.3   | 7440-48-4  | µg/L | nc | NS   | 6     | NS    | 6      | -- | -- | 50    |
| Copper                                 |    | ISM02.3   | 7440-50-8  | µg/L | nc | 1300 | 800   | 1000  | 1300   | -- | -- | 25    |
| Iron                                   |    | ISM02.3   | 7439-89-6  | µg/L | nc | NS   | 14000 | NS    | 14,000 | -- | -- | 100   |
| Lead                                   |    | ISM02.3   | 7439-92-1  | µg/L | -  | 15   | 15    | 100   | 15     | -- | -- | 10    |
| Magnesium                              |    | ISM02.3   | 7439-95-4  | µg/L | -  | NS   | NS    | NS    | NS     | -- | -- | 5,000 |
| Manganese                              |    | ISM02.3   | 7439-96-5  | µg/L | nc | NS   | 430   | NS    | 430    | -- | -- | 15    |
| Nickel                                 |    | ISM02.3   | 7440-02-0  | µg/L | nc | NS   | 390   | NS    | 390    | -- | -- | 40    |
| Potassium                              |    | ISM02.3   | 7440-09-7  | µg/L | -  | NS   | NS    | NS    | NS     | -- | -- | 5,000 |
| Selenium                               |    | ISM02.3   | 7782-49-2  | µg/L | nc | 50   | 100   | 10    | 50     | -- | -- | 35    |
| Silicon                                |    | ISM02.3   | 7440-21-3  | µg/L | -  | NS   | NS    | NS    | NS     | -- | -- | NS    |
| Silver                                 |    | ISM02.3   | 7440-22-4  | µg/L | nc | NS   | 94    | 50    | 50     | -- | -- | 10    |
| Sodium                                 |    | ISM02.3   | 7440-23-5  | µg/L | -  | NS   | NS    | NS    | NS     | -- | -- | 5,000 |
| Thallium                               |    | ISM02.3   | 7440-28-0  | µg/L | nc | 2    | 0.2   | NS    | 2      | -- | -- | 25    |
| Vanadium                               |    | ISM02.3   | 7440-62-2  | µg/L | nc | NS   | 86    | NS    | 86     | -- | -- | 50    |
| Zinc                                   |    | ISM02.3   | 7440-66-6  | µg/L | nc | NS   | 6000  | 5,000 | 5,000  | -- | -- | 60    |
| <b>Miscellaneous</b>                   |    |           |            |      |    |      |       |       |        |    |    |       |
| Cyanide                                |    | ISM02.3   | 57-12-5    | µg/L | nc | 200  | 1.5   | 200   | 200    | -- | -- | 10    |
| Hexavalent Chromium (EPA Region 6 Lab) |    | EPA 218.6 | 18540-29-9 | µg/L | c  | NS   | 0.035 | NS    | 0.035  | -- | -- | --    |
| Mercury                                |    | ISM02.3   | 7439-97-6  | µg/L | nc | 2    | 0.63  | 2     | 2      | -- | -- | 0.2   |

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**TABLE B-3B. SCREENING CRITERIA FOR GROUND WATER AND PRIVATE LABORATORY REFERENCE LIMITS**